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OR 1000 APRIL 1979

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(13)

METEOROLOGICAL DATA REPORT

19304B GSRS Missile No. 1022 Round No. V-22

by

WSMR Meteorological Team

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ATMOSPHERIC SCIENCES LABORATORY UNITE SANDS HISSILE BANGE, NEW MEXICO

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UNITED STATES ARMY FISCEROMICS COMMAND

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REPORT DOCUMENTATION	PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
L REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
DR 1000 1 TITLE (and Subtitle) 19304B GSRS Missile Number 1022 Round Number V-22		5. TYPE OF REPORT & PERIOD COVERED 6. PERFORMING ORG. REPORT NUMBER
Notific Hamber V-22 g		or Performing One. Report Romber
WSMR Meteorological Team		DA Task 1T6657 20126-02
PERFORMING ORGANIZATION NAME AND ADDRESS		
Meteorological data		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
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18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary as 1. Ballistics 2. Meteorology	nd lidentify by block number)	
3. Wind		
Meteorological data gathered for Number 1022, Round V-22, are pres	the launching of	19304B GSRS, Missile form.
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INTRODUCTION

19304B GSRS, Missile Number 1022, Round Number V-22, was launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 0815 MST, 18 April 1979. The scheduled launch time was 0815 MST.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m³), wind direction, wind velocity and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

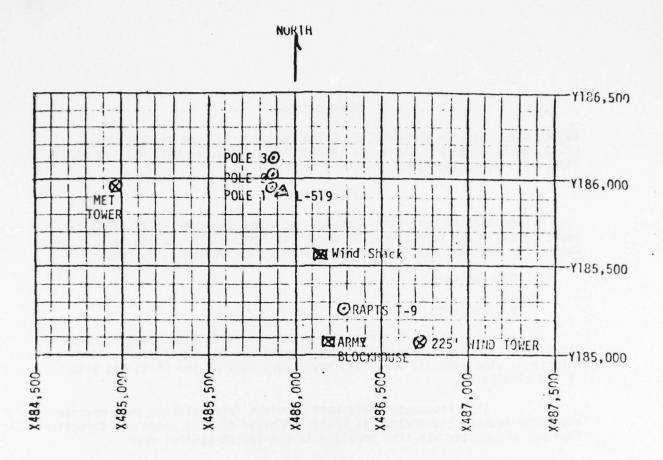
b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at T-0 minutes as follows:

SITE AND ALTITUDE

LC-33 1 kilometer (50-meter increments)

(2) Air structure data (rawinsonde) were collected at the SMR Met Site at T-0 minutes. Data were collected from surface to 125% of apogee in 500-feet increments.



- MET TOWER 4 Bendix Model T-120 Anemometers at 12 ft, 62 ft, 102 ft and 202 ft with E/A recorders in Wind Shack.
- 2. POLE ANE 10 METER Bendix Model T-120 with E/A recorders in Wind Shack
 - (a) Pole #1 38.7 ft
 - (b) Pole #2 53.0 ft
 - (c) Pole #3 83.6 ft
- 3. 225 FT WIND TOWER 5 Bendix Model T-120 Anemometers at 35 ft, 88 ft, 128 ft, 168 ft and 200 ft with 5 X-Y visual indicators in Blockhouse.
- 4. RAPTS T-9 Radar Automatic Pilot-Balloon Tracking System T-9 Radar

The data are presented in the following tabulations:

FLEVATION	3977.30	FEET/! SI
PRESSURE	878.4	MDS
TEMPERATURE	19.8	°C
RELATIVE HUMIDITY	31	7
DEN POINT	. 2.2	°C
DENSITY	1041	611/113
WIND SPEED	CALM	MPH
WIND DIRECTION	1	DECPLES
CLOUD COVER	CLEAR	

TABLE I. SURFACE OBSERVATIONS TAKEN AT 0815 LOCAL TIME, 18 APRIL 1979 AT LC-33, 193048 GSRS (AA), MISSILE NO. 1022, POUND NO. V-22.

LC-23 FIXED POLE AMEMOMETER MEASURED WINDS

	POLE #1			POLE #2			POLE #3	3
T-TIME SEC	DIR	SPEED MPH	T-TIME SEC	DIR	SPEED MPH	T-TIME SEC	DIR DEC	SPEED
-30	177	10	-30	159	м.	-30 .	180	07
-20	174	80	-20	157	M	-20	180	12
-10	175	08	-10	158	M	-10	180	11
0.0	175	08	0.0	155	M	0.0	180	10
+10	176	07	+10	156	М	+10	180	08

POLE	#1	=	X485,874.29	Y185,958.90	H4018.74	39.7	ft.	VUF
POLE	#2	=	X485,874.93	Y186,012.00	H4033.57	53.0	ft.	AGL
POLE	#3	=	X485,877.29	Y186,116.06	114063.92	83.6	ft.	AGL

TABLE II					
TYPE 19304B GSRS	MIS	SILE 10.	1022	POUND	.0. V-22
LAUNCHED FROM	LC-33	DATE	18 April	1979 TIME	0815 LST
NOTE: WIND DIREC	TIONS ARE RE	FERENCED	TO THE FI	HING AZIMUTH	
OR TRUE HORTH TR	RUE NORTH				

LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

L	EVEL #1 12 #t			EVEL #2 62 ft			
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH		
-30	175	09	-30	168	. 08		
-20	169	09	-20	170	08		
-10	162	08	-10	168	08		
0,0	177	09	0.0	175	08		
+10	171	07	+10	174	07		
L	LEVEL #3 102 ft			LEVEL #4 202 ft			
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH		
-30	177	16	-30	170	33		
-20	176	16	-20	168	34		
-10	178	16	-10	169	34		
0.0	175	16	0.0	170	34		
+10	176	16	+10	170	34		

WTSM COORDINATES: X484, 282.64 Y185,957.73 H3983.00 (base)

TABLE III			
TYPE19304B_GSRS	MISSILE NO.	.1022	ROUND NOY-22
LAUNCHED FROMLC-33	DATE 18	April 1979	TIME0815 MST
NOTE: WIND DIRECTIONS AR	REFERENCED	TO THE FIRING	AZIMUTH
OR TRUE NORTH TRUE NORTH	·		

PILOT BALLOON MEASURED WIND DATA

HEIGHT METERS	DIR	SPEED MPH
SUR	000	۰,00
50	184	1.5
100	184	3.0
150	186	5.0
200	193	9.0
250	167	8.5
300	178	11.0
350	185	10.5
400	191	10.5
450	193	11.5
500	200	14.0

HEIGHT METERS	DIR	SPEED MPH
550	192	15.0
600	203	16.0
650	205	14.5
700	222	14.0
750	214	11.0
800	224	9.5
850	234	9.5
900	239	10.5
950	236	8.5
1000	233	10.0
1050		

TABLE IV									
RELEASED FROM	LC-33	_ DATE	18 /	April 1979	9	TIME	08	16	_ LST
RELEASE POINT	COORDINATES	(WSTM)	X = 4	86,037.24	γ =	182,350	0.16	H = 39	77.30
MISSILE TYPE	19304B GSRS		MISSILE	NO. 1022		ROUND	NO.	V-22	
MISSILE LAUNCH	HED FROM LC-	33	DATE	18 April	1979		TIME	0815	_ LST
NOTE: WIND D	RECTIONS ARE	REFERE	NCED TO	O THE FIR	ING AZ	IMUTH _			
OR TRUE NORTH	TRUE NORTH	١.							

DAIA				
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STATION ALTITUDE 3997.30 FEET MSL 18 APR. 79 0830 HRS MST ASCENSION NO. 64

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REL.HUM. PERCENT	11111111111111111111111111111111111111
RATURE DEWPOINT CENTIGRADE	11111111 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TEMPE AIR DEGREES	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
GEOMETRIC ALTITUDE MSL FEET	3997.3 4985.7 8765.9 9038.5 10215.1 10797.1 112226.8 113697.0 1136
PRESSURE MILLIBARS	8 7 7 7 7 8 8 7 7 7 7 8 8 7 7 7 7 7 7 7

STATION ALTITUDE 3997.30 FEET MSL 1080060064 18 APR. 79 0830 HRS MST S M R ASCENSION NO. 64

5

GEODETIC COORDINATES
32.48034 LAT DEG
106.42307 LON DEG

INDEX	REFRACTION	.00025	1.000257	.00	.00025	.00024	.00024	.00024	023	.00023	.00023	.0002	.00021	0000	000.	.0002	.0001	00.	.0001	.0001A	.0001	00.	.0001	.0001	.00017	.00016	·00016	0001	.00016	.00015	.00015	.0001	.00015	.00014	.00014	.00014	.00014	00.	.00013	13	.000
SPEE	KNOTS	0.	0.	1.5	3.0				8.7			å	2	å	+	2	:	ó	19.9		N	å	23.1	'n	23.4	'n	'n	ė	'n	÷	-	ô	å	'n	01	-	m			54.6	-
2	æ	0.	52	01	.5	52	.52	55	.97	01	50.	53	M	:	. 11	-	39.	31.	25.	22.	19.	17.	16.	15.	213.7	15	15.	13.	16.	50.	54.	56.	56.	50.	. 9	8	51.	53.	24.	34.	M
SPEED OF	KNOTS	71.		.69	67.	65.	63.	61.	.69	57.	56.	54.	53.	52.		51.		49.	46.	5		+		41.	4	38.	۲.	36.	35.	35.	33.		30.	26.	27.	ģ	54.	3.	21.	20.	8
DENSITY S	METER	028.	8	017.			•		958.8			÷		•		:	•		*		•	÷		:	753.3	01	-	0	7 .	•	84.	74.	94	24.	+ 14	34.	25.	15.	05.	596.4	0
REL.HUM.		3	3	+	9	å	0	7		9	8	-	2	:	8	7	7	7	7	7	. 9	5	ů,	2	15.0	i	i		5	5	.9		· 0	-		-	7		7		
EMPERATURE DEWPOINT	CENTIGRADE	6.	6.	٠.	5	-1.0	-1.7	-2.3	3	3	-3.6	-3.8	0	13	10	~	a	19	9	20	a	23	24	25	-26.1	27	28	œ	29	29.	30.	ò	30.	32.	33.	34.		36.	2	-38.5	6
- CC	α	3	3.	-	.6	7.	5	+	12.4	.0					6.5	5.8	4.8	3.4	2.0	1.1	9.	.2	L	-2.0	-3.2	カ・カー	-	9.9-			å	-10.2	:	å	å	2	16.	2	-18.6	-19.8	-21.1
PRESSURE	MILLIBARS	77.	76.	51.	.9+	31.	16.	. 70	87.	73.	69	+2.	35.	18	05.	95.	79.	57.	. 40	. 7	30.	18.	96	95.	584.0	72.	050	51.	040	30.	19.	60	66	69	90	0.	51.	52.	45	33	25,
GEOMETRIC ALTITUDE	MSL FEET	3997.3	0.0004	4500.0	500000	5500.0	600000	6500.0	700000	7500.0	800000	8200.0	0.0006	000	000	000	000	200	000	200	000	200	000	200	15000.0	200	000	200	000	200	000	500	000	200	000	200	000	200	000	225.000	3000.

ALLINDE SAST.30 FEET MSL	1080060064	950
118 APR. 79 0830 HRS MST	SES	

STATION ALTITUDE 18 APR. 79 ASCENSION NO.	TUDE 39	97.30 FEET	T MSL MST		1080060064 S M R	0 4 1 A		GEODETIC (32.48(106.42)	C CCORDINATES 48034 LAT DEG 42307 LON DEG
GEOMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS	TEMP AIR DEGREES	ERATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	DIRECTION DEGREES(TIV)	ATA SPEED KNOTS	INDEX OF REFRACTION
<3500.0	416.3	-22.3	9.04-			617	236.7	÷	1.000130
÷	407.8	-23.5	-			615.	239.0	÷	.00012
	399.5	-24.8				614.	238.R	2	.00012
		-25.9	5			612	238.5	2	12
	382.9	-27.1	t.			611.	236.6	5	.00012
	374.9	-28.3	io			600	235.0	2	.00011
0	367.0	-29.5				608	234.9	2	.00011
27000.0	359.3	-30.7		17.7		9	234.7	2	.000
0	351.8	-31.8				605.	. 234 . 4	9	.00011
0	34/4.3	3.0	6			603	234.1	9	.00011
	3,96.8	-34.3	oi.	.5*		602	234.3	9	
	329.5	-35.5	+	.8*		600	234.6	9	
	322.4	-36.7	-57.9	**0.6	475.1	599.	235.4	5	1.000106
	315.4	-38.0	-			597.	236.4	+	1.000104
	308.5	-39.5	99	.0		. 595.	236.R	ů,	1.000102
31800	201.9	0.04		*		294	230.9	'n	1.000101
	244.6	141.					5.750	- a	1.000009
	282.2	U-77-				2000	238.2	3 0	5000001
	275.8	-45.0				. אמה	238.6	- 6	1.000098
	360.6	-46.0				587	234.5	0	
34000.0	263.5	-47.0			405.9	585	239.9	34.0	1.000090
	257.5	6.24-				584.	240.B	5	
	251.7	6.84-					242.0	6	٠
	245.9	8.60-				582.	243.3	7.	0
	240.5	-50.7				581.	244.5	6	
	234.6	-51.7				579.	245.5	0	
	229.1	-52.6				578.	546.5	1	٠
	223.7	-53.5					. 247.1	å	-
	218.5	1000				576.	247.5	è	
8500	213.4	-55.3				575.	248.3	3	
	208.5	-56.2				573.	249.1	3	
0	203.6	-57.1			28.		249.R	3	٠
	198.8	-58.0			322.0	571.	250.5	3	1.000072
0	+	-59.0			15.		250.7	è	
.0	6	0.09-			.60	568.	250 . 3	ri	
.0		-59.8			01.	569.	250.1	3	0
20	160.5	-58.7			93.		520.9	r,	
25	176.2	-57.6			84.	571.	251.7		1.000063
43000.0	'n	-26.6			76.	573.	251.9	-	1.000062

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

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a	900	
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STATION ALTITUDE 3997.30 FEET MSL 18 APR. 79 0830 HRS MST ASCENSION NO. 64

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GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

INDFX OF REFRACTION	1.000053 1.000053 1.000053 1.000053 1.000045 1.000046 1.000046 1.000046 1.000046 1.000046 1.000046 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034 1.000034	1.000025 1.000025 1.000025 1.000025
SPEED KNOTS	4 W R R R R R R R R R R R R R R R R R R	200 A C C C C C C C C C C C C C C C C C C
WIND DATA DIRECTION S DEGREES(TN) K	10000000000000000000000000000000000000	665
SPEED OF SOUND KNOTS	5744.0 5744.0 5744.0 5744.0 5746.0 5772.0	563.7 563.0 562.3 561.6
DENSITY S GM/CUBIC METER	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	00000
REL . HUM. PERCENT		
TEMPERATURE R DEWPOINT EES CENTIGRADE		
TEMP AIR DEGREES	00000000000000000000000000000000000000	164.3
PRESSURE MILL 18ARS	1657-9 1667-9 1666-9 1666-9 1666-9 1666-9 1667-9 1668-9 1668-9 1669-9 1669-9 1669-9 1669-9 1669-9 1746-9 1669-9 17	69.5 67.8 66.1 64.5
GEOMETRIC ALTITUDE MSL FEET	### ### ##############################	500.

STATION ALT) 18 APR. 79 ASCENSION NO	TTUDE 39	97.30 FEET MSL 0830 HRS MST		UPPER AIR 10800600 S M R	AIR DATA 1060064		32.4 32.4 106.4	C COORDINATES 48034 LAT DEG 42307 LON DEG
GEOMETRIC AETITUDE MSL FEET	PRESSURE MILLIBARS	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	PERCENT.	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DA UIRECTION DEGREES(IN)	SPEED KNOTS	INDEX OF REFRACTION
0	c					7		
64000.0		7.00		1001	262.9	248.8	17.6	1.000003
500				000	564	2	0	0000
000	m				565	39		.0000
00					566.	48	0	.00000
	0	-61.0		-	567.	57.	0	.00000
	:			ď	568.	74.	6	.0000
	3.	-59.3		·	569	9	6	
	-	8		84.0	570.	.80	6	.00001
	ò	7.		-		22.		.00001
	6	56.		79.1	573	+0+	5	.00001
		55.		7	575	24.	ë	.00001
	·	55.		5	575	7.6	'n	•
	'n	52.		3	575	21.9	:	.00001
		55		:	575	32.6		.00001
	'n	24.		6	575	9.64	•	.00001
72000.0	42.0	154.7		66.	3 575.6	71.8	n t	1.000015
	. 0	54.		5	575	94		10000
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	ė	54.		.0	576	71.		.00001
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	ċ	51.		7	1 580.6	. 49	8	.0000
	6	64		2	583	70.	6	.00001
	à	40.			580	77.	0	.00001
	å	46.		3	587	80.	7	.00000
		45.		42.1	586	284.5	t	.0000
	ò	0		:	586.	.68	:	.00000
	0	7		0	585.	88	ċ	.00000
	•	147.5		39.62	5 585.2	286.4	19.1	1.000009
	'n			. 8	584.	83.		000000

STATION ALITIUDE 3997.30 FEET MSL 18 APR. 79 0830 HRS MST ASCENSION NO. 64

GEUMETRIC ALTITUDE MSL FEET

INDEX	REFRACTION	1.000008	1.000008	1.000008	1.000008	1.000008	1.000007	1.000007	1.000007	1.000007	1.000007	1.000007	1.000006	1.000006	1.000006	1.000006	1.000006	1.000006	1.000006	1.000005	1.000005	1.000005	1.000005	1.000005	
TA	KNOTS	17.5	17.6	17.8	17.7	17.6	17.4	17.6	17.8	18.0	17.2	15.5	13.8	12.8	12.9	13.2	14.4	17.2	20.0						
WIND DATA	DEGREES (TN)	279.9	275.8	271.7	268.1	264.8	261.4	260.0	559.9	259.₽	259.7	259.4	259.1	255.9	248.7	241.7	236.A	226.2	235.7						
SPEED OF	KNOTS	584.3	583.9	583.4	583.0	583.7	584.9	580.0	587.1	588.2	589.1	589.1	589.2	589.2	589.2	589.2	589.3	589.3	589.3	589.5	590.4	591.3	592.1	593.0	
DENSITY	METER	37.8	37.0	36.3	35.5	34.6	33.7	32.8	32.0	31.1	30.3	29.6	29.0	28.3	27.7	27.1	26.5	25.9	25.3	24.7	24.1	23.5	22.9	22.3	
REL . HUM. PERCENT																									
TEMPERATURE AIR DEMPOINT	SE	48.2	48.5	6.84	49.5	-48.6	47.8	6.94	0.94	45.2	14.0	5.44	5.44	5.55	***	t.t.	5.55	44.0	44.3	44.2	43.5	45.8	42.1	41.4	
PRESSURE	MILLIBARS	24.4	23.	23.5	22.6	22.	21.6	21.	20.8	20.4	19.6	19.6	19.0	18.6	18.5	17.8	17.6	17.0	16.6	16.	15.	15.5	15.5	14.	
9	_	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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93500.0 93500.0 94000.0 MRN SIGNIFICANT LEVEL DATA 1080060064 S M R

STATION ALITTUDE 3997.30 FEET MSL 18 APR. 79 0830 HRS MST ASCENSION WO. 64

GEODETIC COORDINATES 32.4A034 LAT DEG 106.42307 LON DEG

PRESSURE MILL IBARS	1.480+1	1.630+1	2.000+1	2.270+1	V. H40+1	3.000+1	3.200+1	4.880+1	5.000+1	6.360+1	7.000+1	7.310+1	7.700+1	8.300+1	9.540+1	1.000+2	
TEMPERATURE AIR DEG C	-41.3	-44.3	-44.5	-49.3	-45.9	-51.0	-53.A	-55.3	-57.3	-65.6	-63.6	-62.8	-68.4	-67.3	-61.7	-62.0	
DEW PT DEP DEG C	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	ON ANGLES.
Æ P ≥ S ≥ S	****6666-	*** 6666-	6.	6	15.	15.	11.	2.	t.	10.	17.	15.	6	.0	17.	18.	NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.
DATA N-S MPS	***6666-	*** 6666-	٧.	.0	-2.		7.	-7-	-7-	2.	3.	7.	8	• 9	1.	'n	S RAW AZIMUTH
SPEED MPS	****6666	*** 6666	6	.6	15.	15.	13.	7.	.00	10.	18.	17.	13.	10.	17.	18.	E TO MISSING
DIRECTION DEG (TN)	****6666	*** 6666	260.	267.	279.	265.	237.	346.	330.	259.	260.	246.	228.	232.	268.	260.	COMPUTED DU
EOPOTENTIAL ALTITUDE DECAMETERS	2869•	2804.	2666.	2503.	2435.	2398.	2357.	2087.	2071.	1922.	1863.	1837.	1805.	1760.	1675.	1646.	WIND DATA
8															1	3	*

STATION ALTITUDE 3997.30 FEET MSL 18 APR. 79 0830 HRS MST ASCENSION NO. 64

DATA	KNOTS	2.7		11.6	23.9	0	23.3	23.4	32.0	26.7	25.2	56.4	26.0	36.5	42.1	42.8	8.04	34.0	35.8	21.1	4	19.0	15.9	0.9	28.9	1	1	
WIND	DEGREES (TN)	225.6	225.3	221.7	243.8	224.6										251.9	246.2	245.8	260.1	225.9	259.2	243.0	328.6	7	t.	283.9	0	
REL . HUM. PERCENT			32.	41.	17.	18.	15.	15.	18.	17.	17.	18.																
EMPERATURE DEWPOINT	CENTIGRADE	7.1	-2.4	-3.7	-17.0	-20.3	-24.7	-28.3	-30.9	-36.7	-45.6	7.87-																
AIR	LL)	9	13.9		6.5	1.4	-1.5	9.9-	-11.4	-17.6	-24.7	-32.1	8.04-	-49.5	-57.8	-57.3	-56.6	-62.4	-62.0	-67.8	-63.6	-63.6	-57.3	-54.6	-51.0	-47.8	5.44-	-41.7
GEOPOTENTIAL	FEET	4832.	6575.	8343.	10205.	12181.	14285.	16535.	18959.	21579.	24432.	27572.	31079.	35072.	39782.	42531.	45747.	.06464	55993.	58453.	61132.	64222.	67949.	72625.	73689,	82645.	87481.	93817.
PRESSURE GE	MILLIBARS	850.0	0	750.0	00	650.0	0.009	550.0	200.0	450.0	0.004	350.0	300.0	250.0	200.0	175.0	150.0	125.0	100.0	80.0	70.0	0.09	20.0		0	25.0	0	15.0
	-																											

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 3997.30 FEET MSL 18 APR. 79 0830 HRS MST

GEODETIC COORDINATES 32,48034 LAT DEG MRN MANDATORY LEVELS 1080060064 S M R

36.42307 LON DEG	PRESSURE MILLIBARS	1.500+1	2.500+1	3.000+1	4.000+1	5.000+1	6.000+1	7.000+1	8.000+1	1.000+2	1.250+2	1.500+2	1.750+2	2.000.2	2.500+2	3.000+2	3.500+2	2+00U-5	4.500+2	5.000+2	5.500+2	6.000+2	6.500+2	2.000.7	7.500+2	8.000+2	8.500+2	
106.42	TEMPERATURE AIR DEG C	-41.7	-47.8	-51.0	-54.6	-57.3	-63.6	-63.6	-67.8	-62.0	-62.4	-56.6	-57.3	-57.A	2.64-	H-04-	-32.1	24.7	-17.6	-11.4	9-9-	-1.5	1.4	6.2	8.0	13.9	19.6	
	DEW PT DEP DEG C	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	16	18	19	20	22	23	22	23	13	10	20	
	₩ X 1 G 3 N	*** 6666-	. 6	15.	-1:	• •	• •	17.	• 90	13.	.91	19.	21.	.50.	17.	11.	11.	11.	11.	12.		7.	7.	11.	;	3.	1.	
N E	DATA N-S MPS	***6666-	-2.	1.	3.	-7-	t.		8	3.	7.	8.	7.	7.	6	7.	• 00	7.	8.	11.	10.	10.	7.	5.	. 7	3.	1.	
MST.	SPEED MPS	*** 6666	. 6	15.	۶.	.00	10.	18.	11.	18.	17.	21.	22.	22.	19.	13.	14.	13.	14.	16.	12.	12.	10.	12.	٥	÷	1.	
0830 HRS MST 64	DIRECTION DEG (TN)	*** 6666	284.	264.	167.	329.	243.	259.	226.	260.	246.	246.	252.	250.	242.	237.	234.	239.	234.	227.	214.	216.	225.	544.	222.	226.	226.	
18 APR. 79 ASCENSION NO.	GEOPOTENTIAL ALTITUDA DECAMETEKS	2860	2519.	2396.	2214.	2071.	1957.	1863.	1782.	1646.	1508.	1394.	1296.	1213.	1069.	.146 1!		. 745.	658.	578.	• +05	435.	371.	311.	254.	200.	149.	

** WIND DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.